

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082118\
 Data File : BF108364.D
 Acq On : 22 Aug 2018 3:31
 Operator : JU/SJ
 Sample : J4275-17 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-E

Quant Time: Aug 22 04:59:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

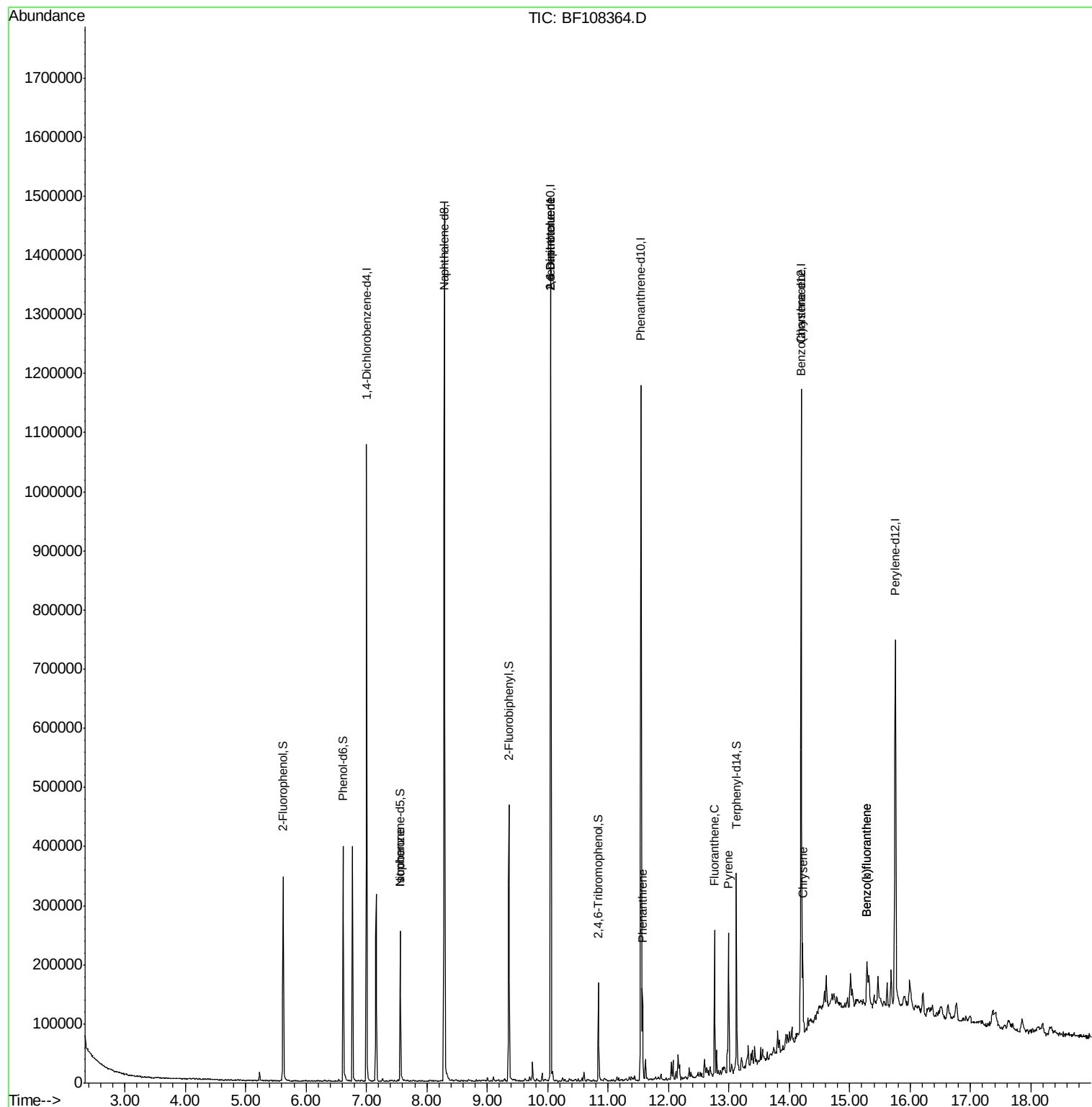
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	163940	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	615115	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	275136	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	454674	20.00	ng	-0.02
75) Chrysene-d12	14.20	240	372487	20.00	ng	-0.02
86) Perylene-d12	15.75	264	303520	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	87980	9.72	ng	-0.01
7) Phenol-d6	6.61	99	122368	10.17	ng	-0.02
23) Nitrobenzene-d5	7.56	82	74588	6.77	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	21128	7.70	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	141323	8.25	ng	-0.02
78) Terphenyl-d14	13.12	244	109695	7.49	ng	-0.02
Target Compounds						
25) Isophorone	7.56	82	74586	3.550	ng	# 64
50) 2,6-Dinitrotoluene	10.05	165	35047	8.740	ng	# 25
56) 2,4-Dinitrotoluene	10.05	165	35047	6.790	ng	# 23
70) Phenanthrene	11.57	178	54481	2.540	ng	97
74) Fluoranthene	12.77	202	97975	4.186	ng	92
77) Pyrene	12.99	202	88109	3.736	ng	98
80) Benzo(a)anthracene	14.19	228	45910	2.148	ng	94
82) Chrysene	14.22	228	42317	2.159	ng	98
87) Benzo(b)fluoranthene	15.29	252	56120	3.094	ng	95
88) Benzo(k)fluoranthene	15.29	252	56120	3.366	ng	97

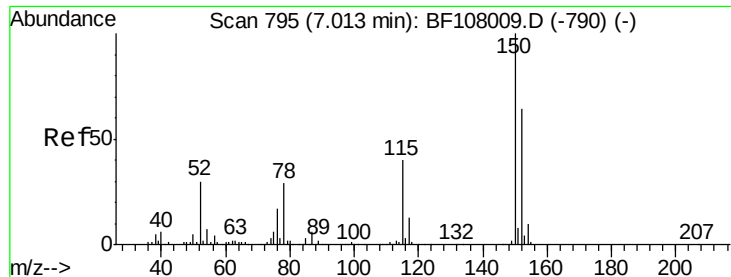
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082118\
Data File : BF108364.D
Acq On : 22 Aug 2018 3:31
Operator : JU/SJ
Sample : J4275-17 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-082018-E

Quant Time: Aug 22 04:59:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 21 15:20:21 2018
Response via : Initial Calibration



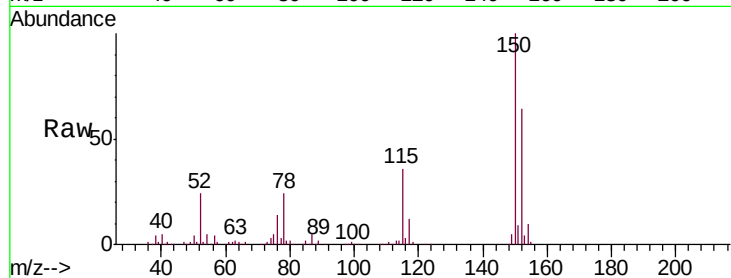


#1

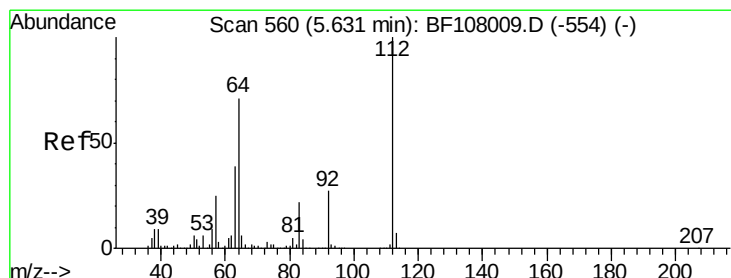
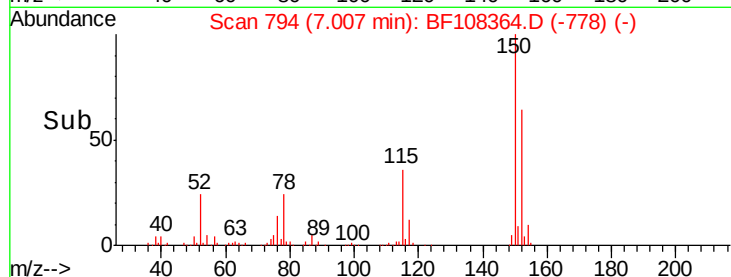
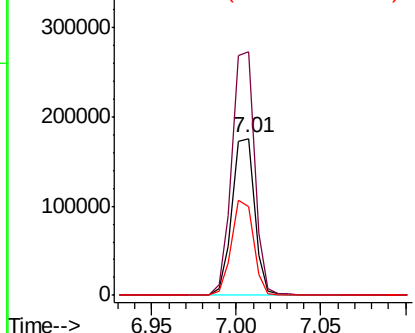
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF108364.D
Acq: 22 Aug 2018 3:31

Instrument :
BNA_F
ClientSampleId :
CL-01-082018-E

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	56.3	50.1	75.1



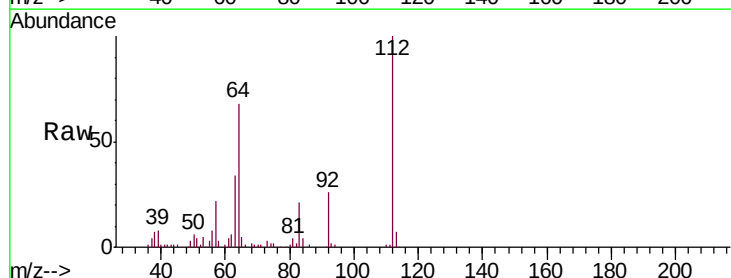
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



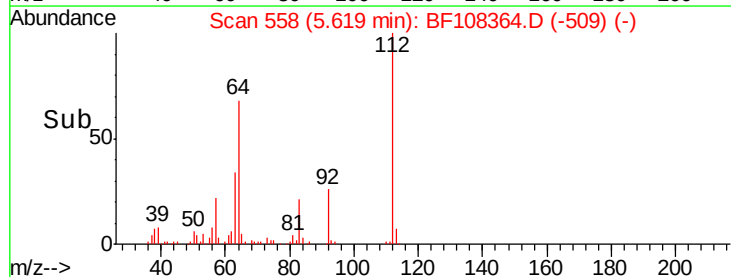
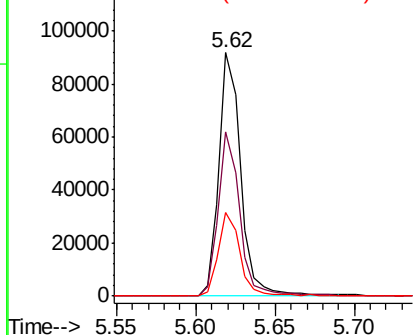
#5

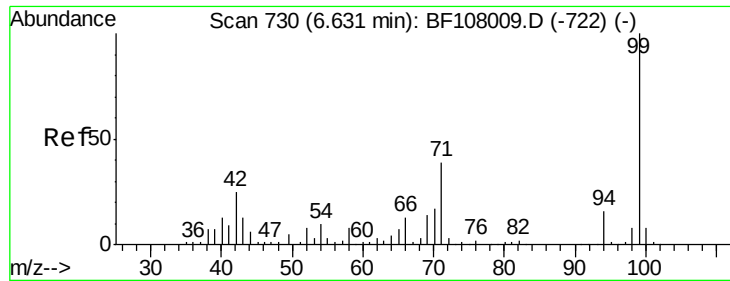
2-Fluorophenol
Concen: 9.716 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108364.D
Acq: 22 Aug 2018 3:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.7	47.9	71.9
63	34.1	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 10.169 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108364.D

Acq: 22 Aug 2018 3:31

Instrument :

BNA_F

ClientSampleId :

CL-01-082018-E

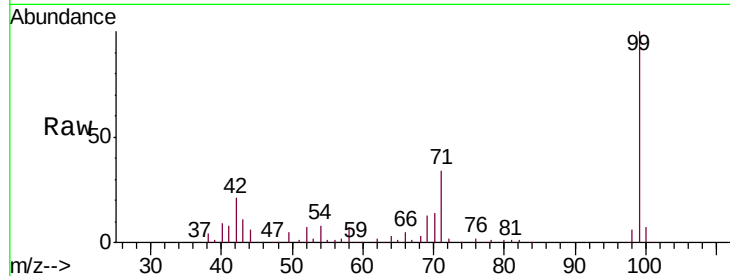
Tgt Ion: 99 Resp: 122368

Ion Ratio Lower Upper

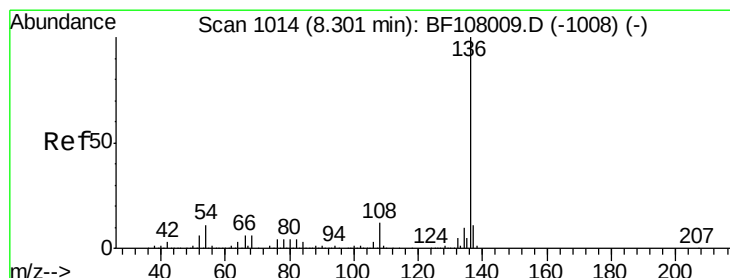
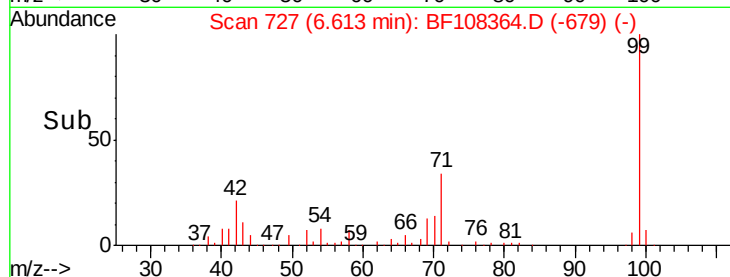
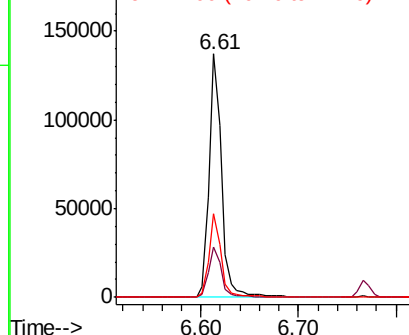
99 100

42 20.9 14.5 21.7

71 34.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF108364.D

Acq: 22 Aug 2018 3:31

Tgt Ion: 136 Resp: 615115

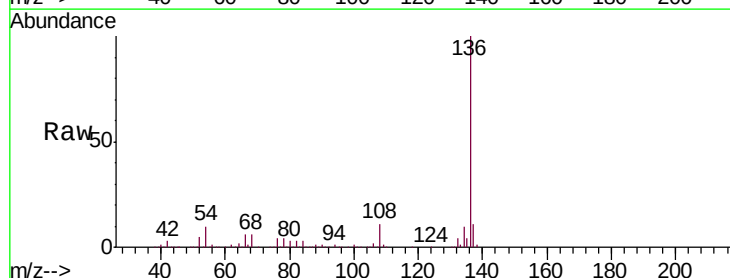
Ion Ratio Lower Upper

136 100

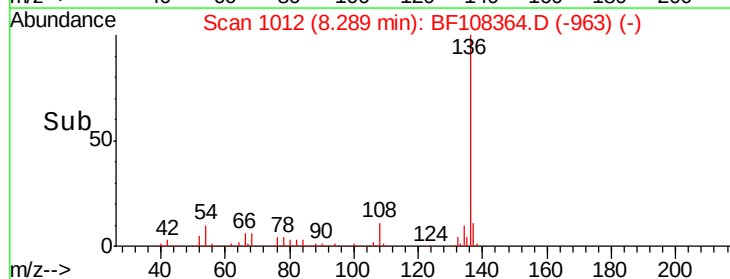
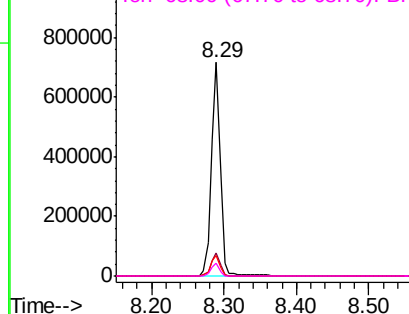
137 11.0 8.9 13.3

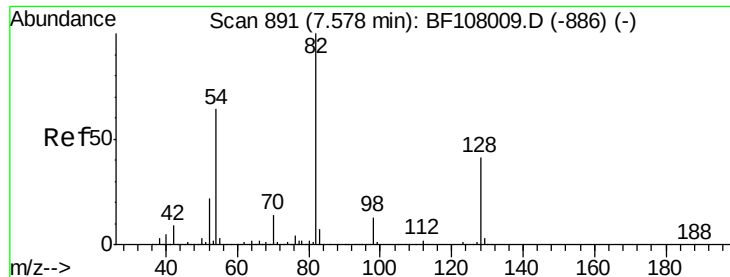
54 9.7 6.6 9.8

68 5.8 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

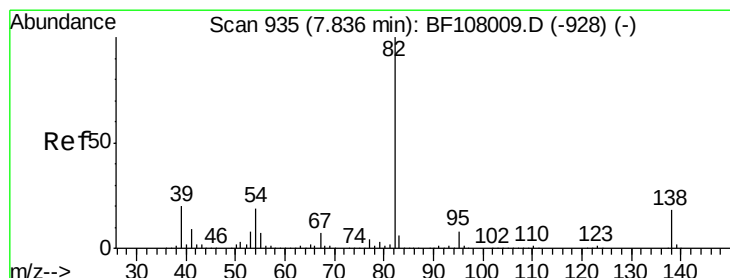
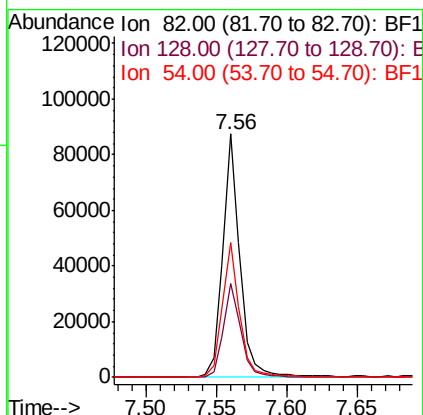
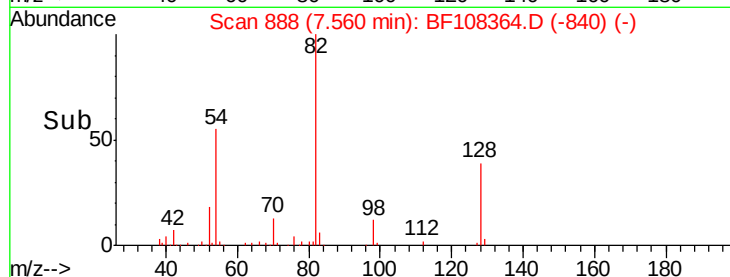
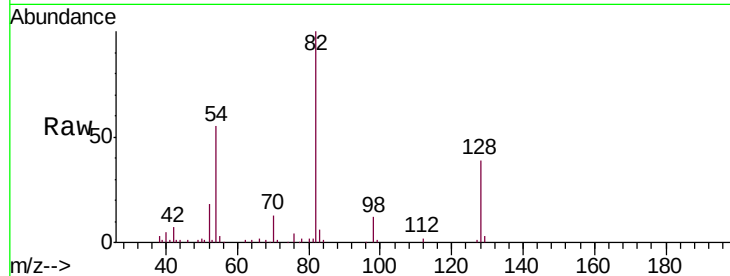




#23
 Nitrobenzene-d5
 Concen: 6.766 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BF108364.D
 Acq: 22 Aug 2018 3:31

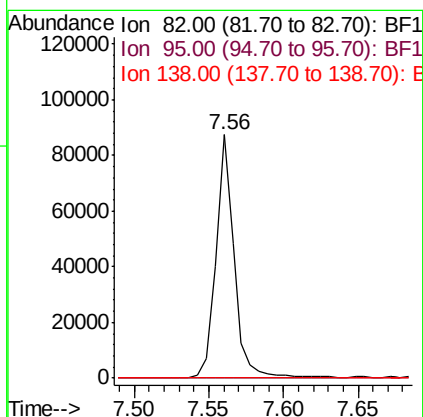
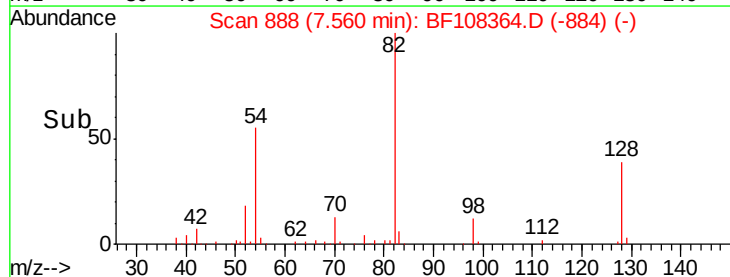
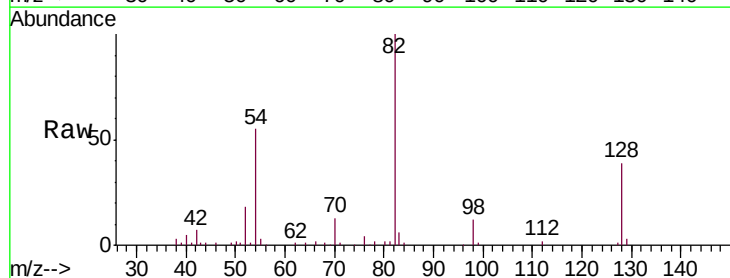
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-E

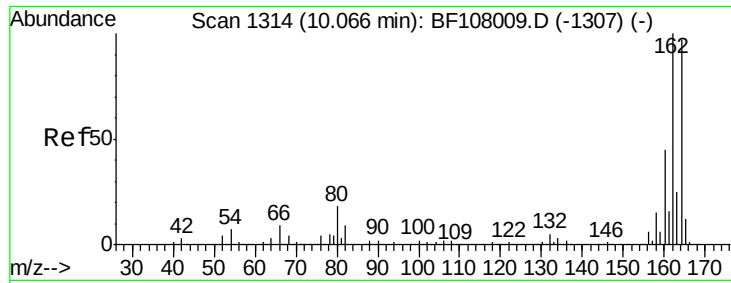
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.7	36.1	54.1
54	55.2	41.4	62.2



#25
 Isophorone
 Concen: 3.550 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.28 min
 Lab File: BF108364.D
 Acq: 22 Aug 2018 3:31

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

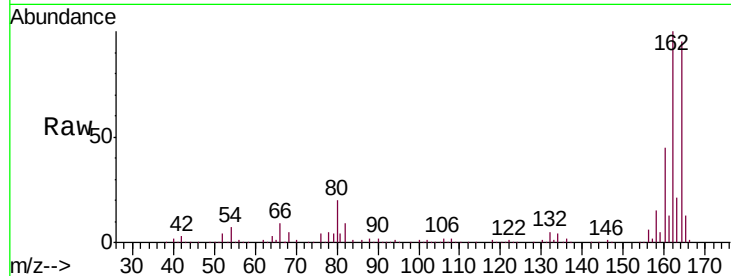




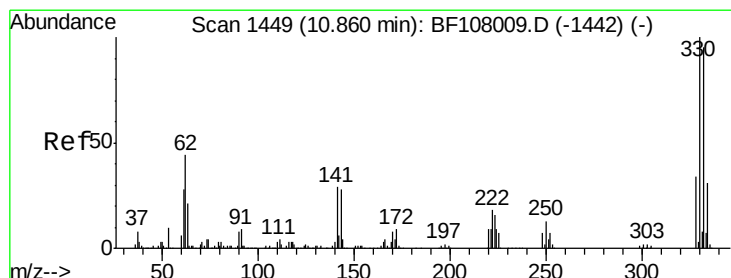
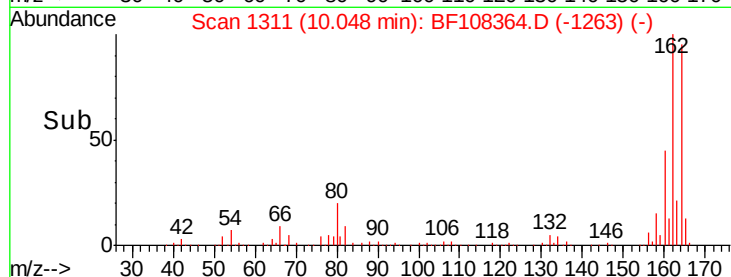
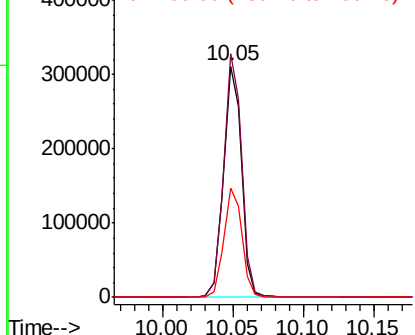
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF108364.D
 Acq: 22 Aug 2018 3:31

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-E

Tgt Ion:164 Resp: 275136
 Ion Ratio Lower Upper
 164 100
 162 105.2 86.1 129.1
 160 47.1 38.3 57.5

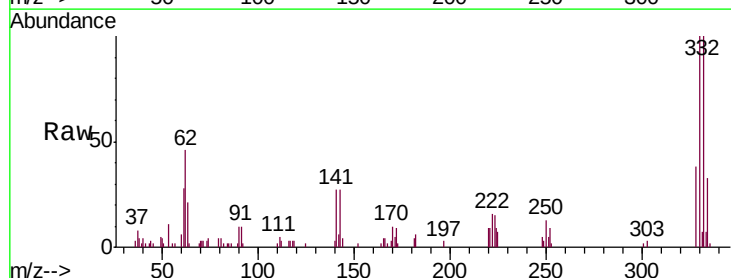


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

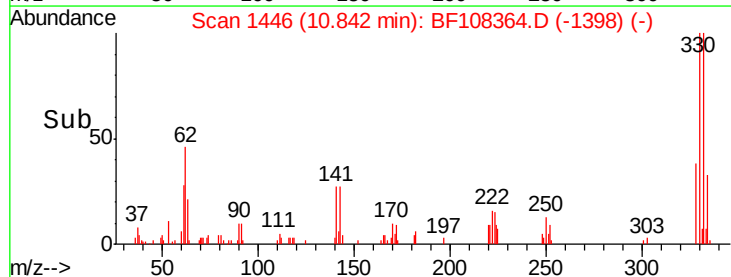
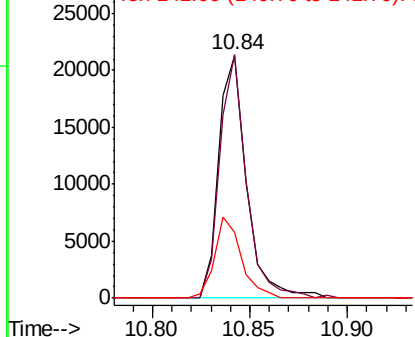


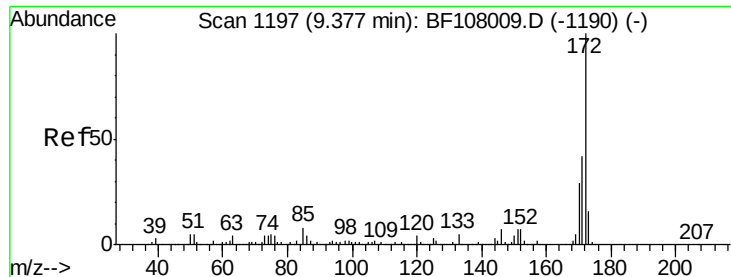
#41
 2,4,6-Tribromophenol
 Concen: 7.699 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF108364.D
 Acq: 22 Aug 2018 3:31

Tgt Ion:330 Resp: 21128
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 32.1 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

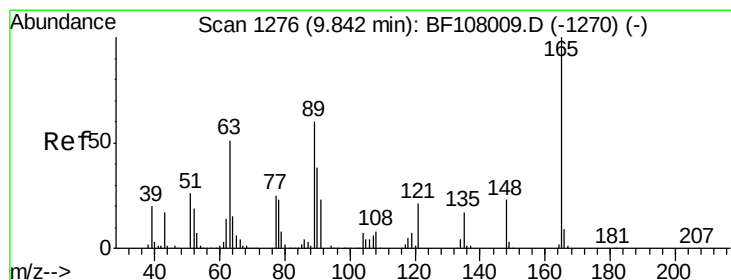
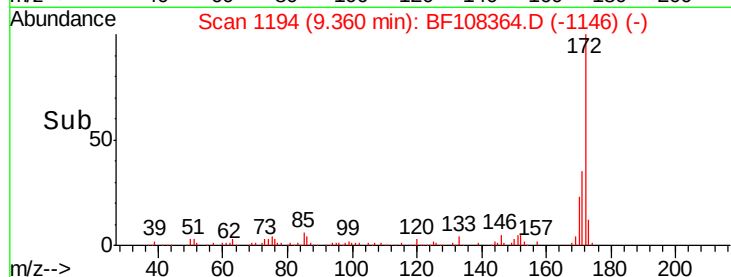
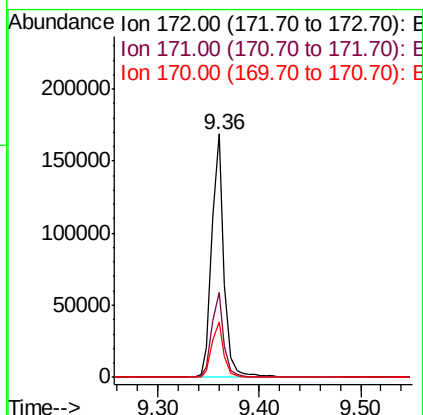
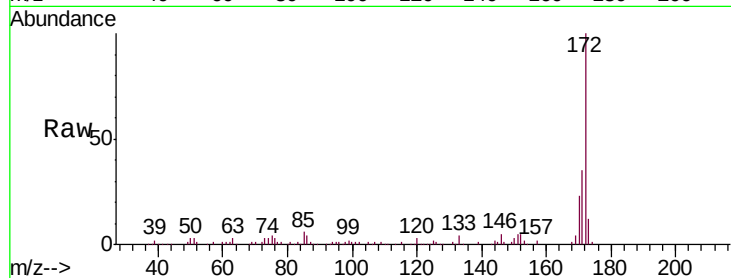




#44
 2-Fluorobiphenyl
 Concen: 8.246 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108364.D
 Acq: 22 Aug 2018 3:31

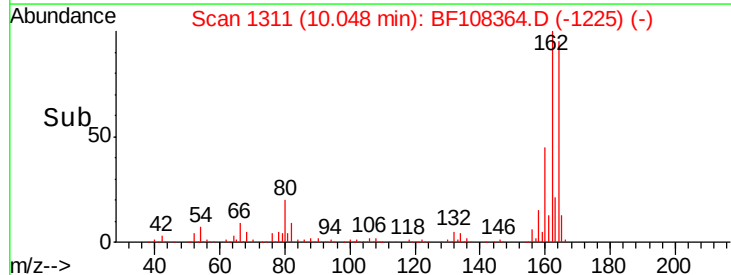
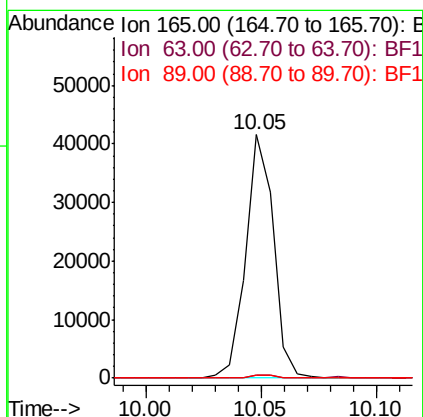
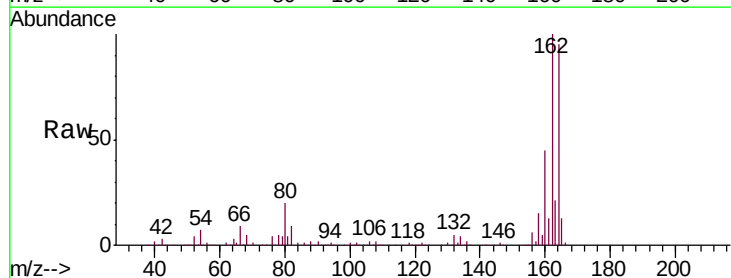
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-E

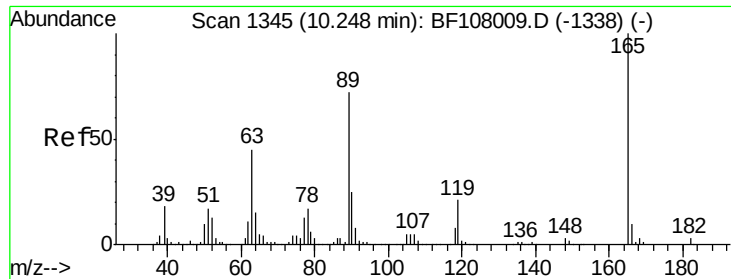
Tgt Ion:172 Resp: 141323
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.7 44.5
 170 22.8 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 8.740 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. 0.21 min
 Lab File: BF108364.D
 Acq: 22 Aug 2018 3:31

Tgt Ion:165 Resp: 35047
 Ion Ratio Lower Upper
 165 100
 63 1.2 44.7 67.1#
 89 1.4 44.0 66.0#

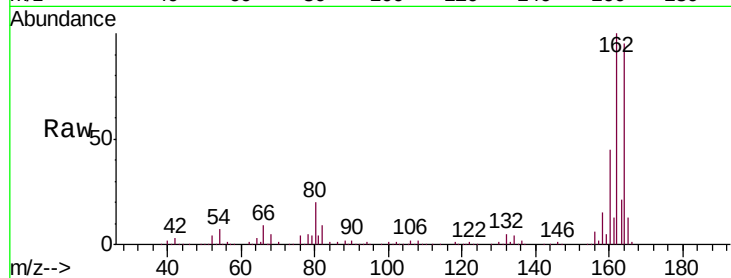




#56
 2,4-Dinitrotoluene
 Concen: 6.790 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.20 min
 Lab File: BF108364.D
 Acq: 22 Aug 2018 3:31

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-E

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



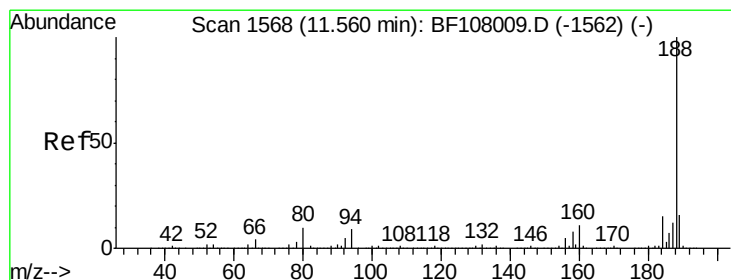
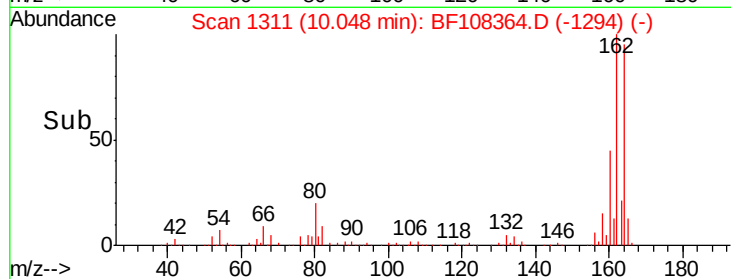
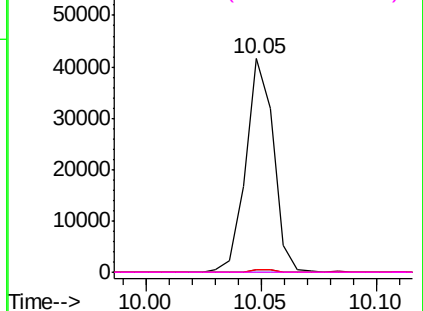
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

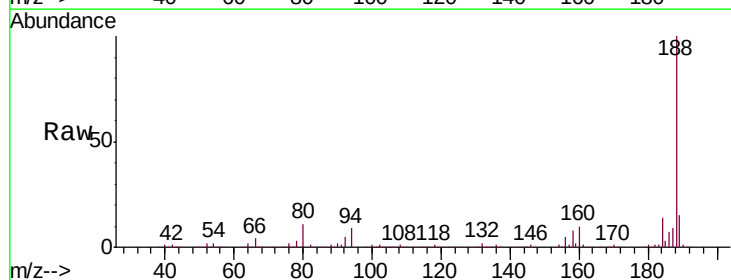
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: BF108364.D
 Acq: 22 Aug 2018 3:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.6	9.2	13.8

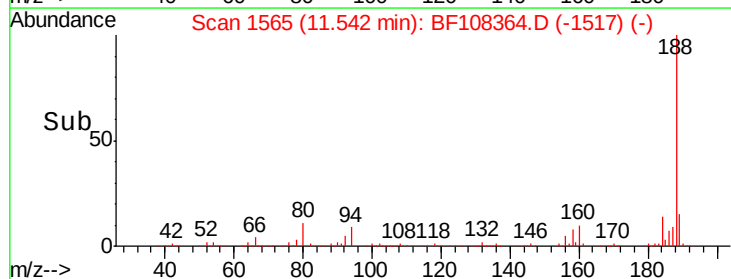
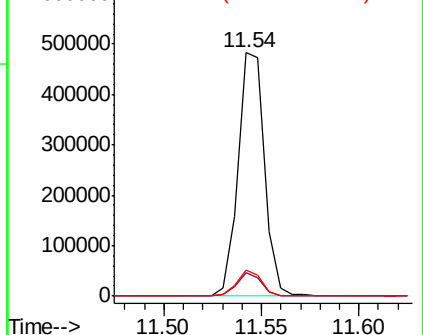


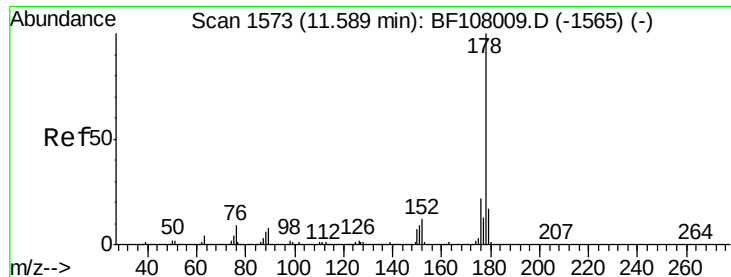
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

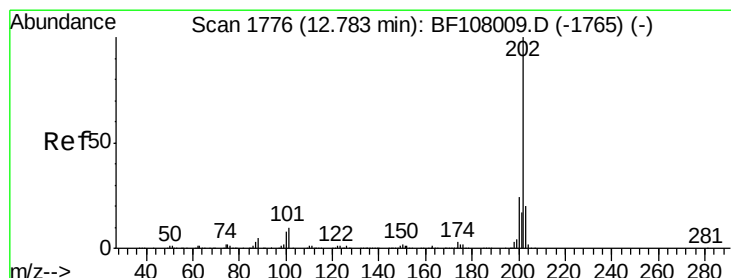
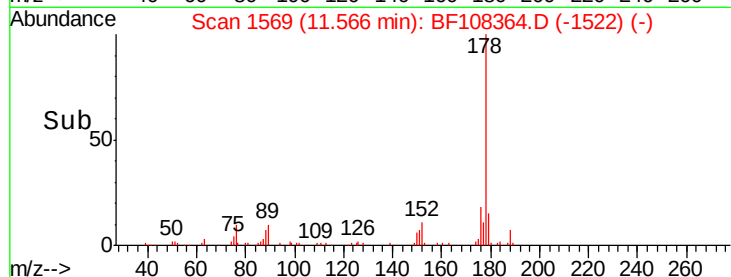
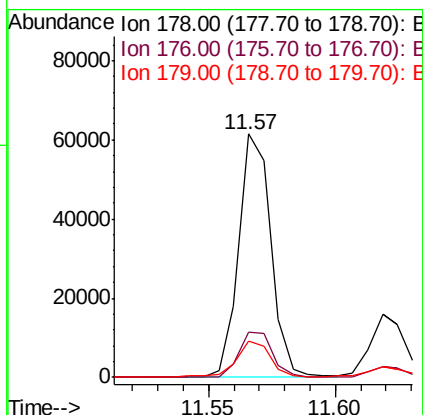
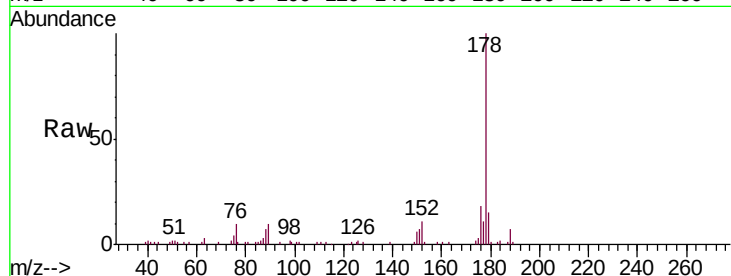




#70
Phenanthrene
Concen: 2.540 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF108364.D
Acq: 22 Aug 2018 3:31

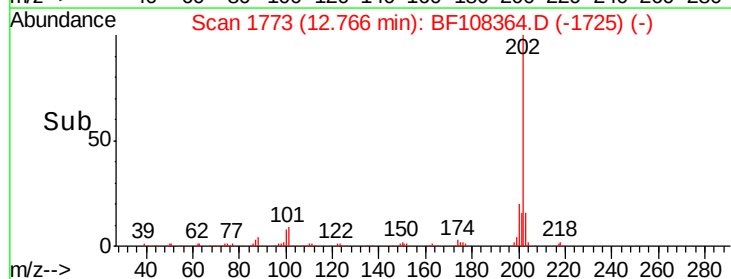
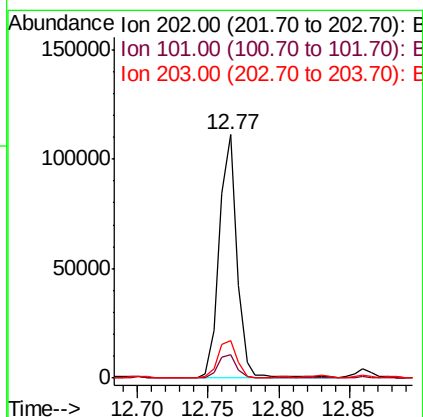
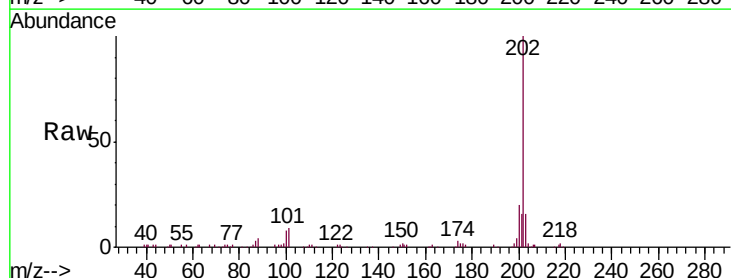
Instrument :
BNA_F
ClientSampleId :
CL-01-082018-E

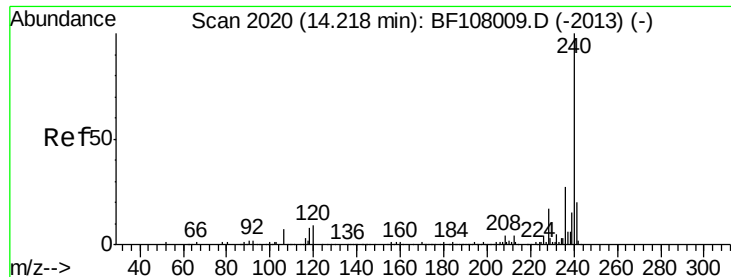
Tgt Ion:178 Resp: 54481
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 15.1 13.0 19.6



#74
Fluoranthene
Concen: 4.186 ng
RT: 12.77 min Scan# 1773
Delta R.T. -0.02 min
Lab File: BF108364.D
Acq: 22 Aug 2018 3:31

Tgt Ion:202 Resp: 97975
Ion Ratio Lower Upper
202 100
101 9.5 0.0 34.1
203 15.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF108364.D

Acq: 22 Aug 2018 3:31

Instrument :

BNA_F

ClientSampleId :

CL-01-082018-E

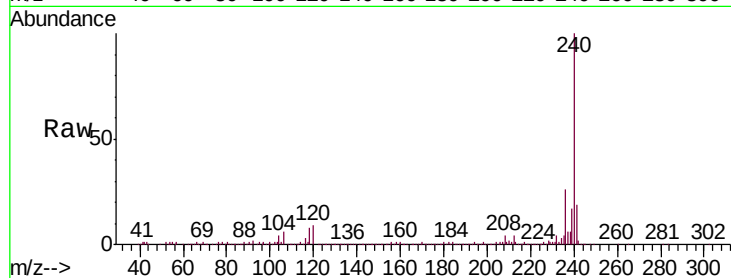
Tgt Ion:240 Resp: 372487

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

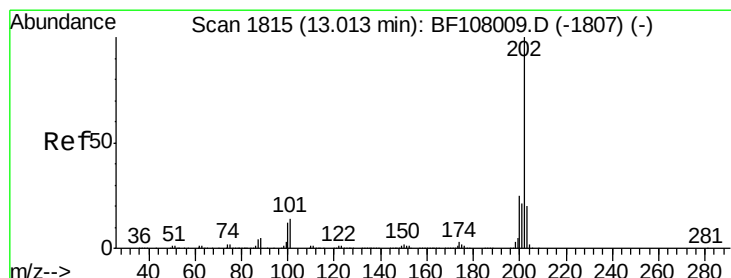
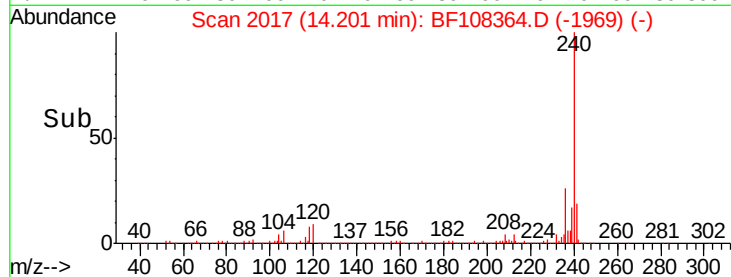
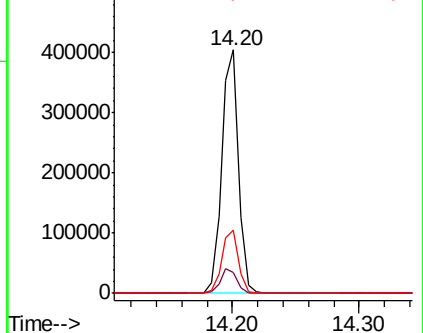
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.736 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF108364.D

Acq: 22 Aug 2018 3:31

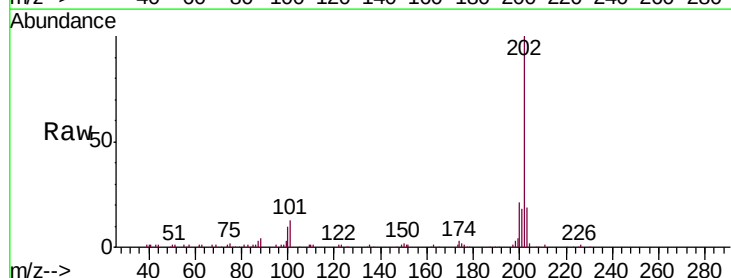
Tgt Ion:202 Resp: 88109

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

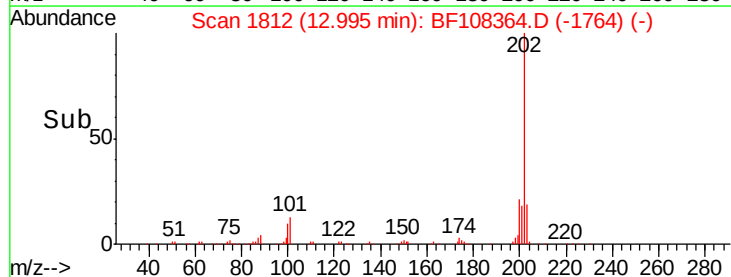
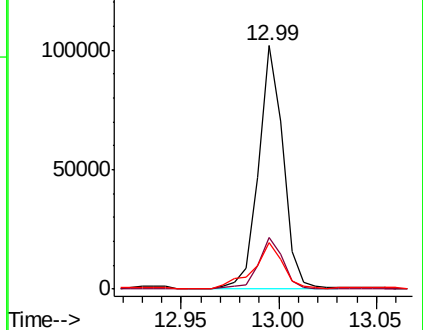
203 19.0 14.3 21.5

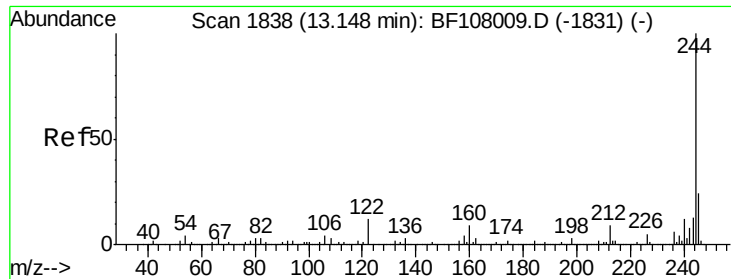


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

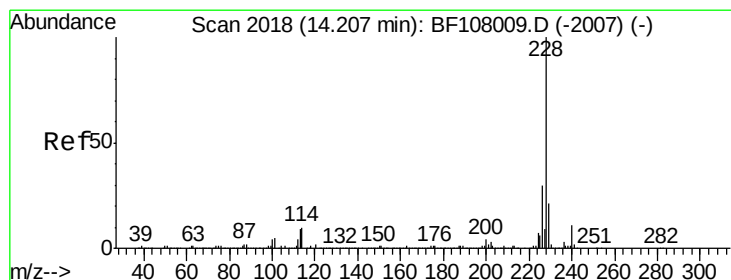
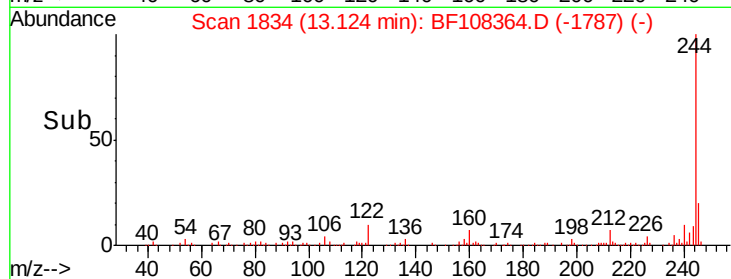
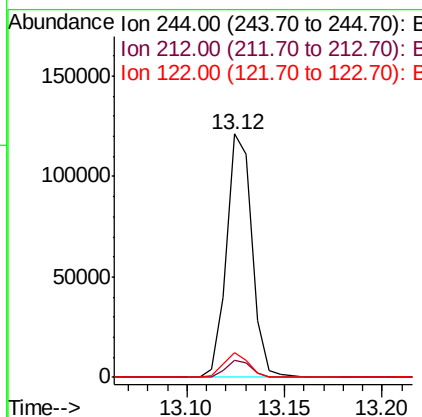
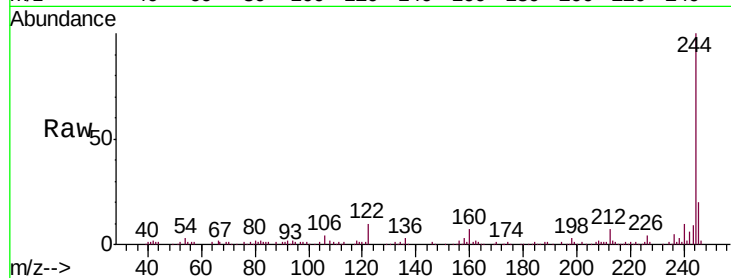




#78
 Terphenyl-d14
 Concen: 7.488 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.02 min
 Lab File: BF108364.D
 Acq: 22 Aug 2018 3:31

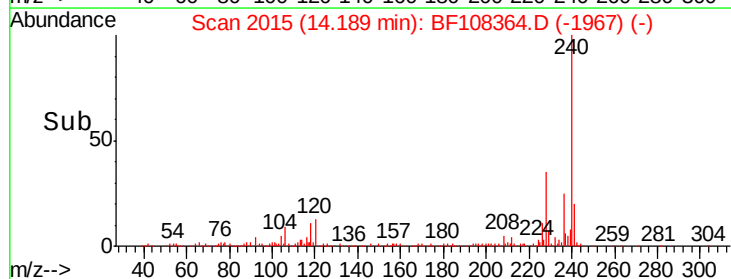
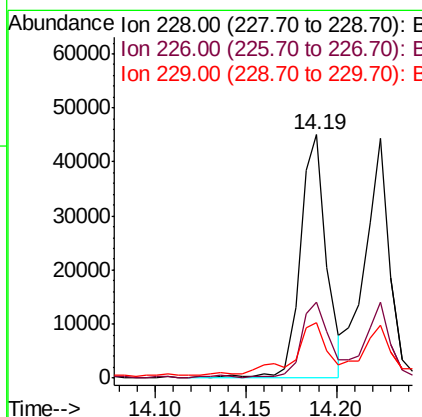
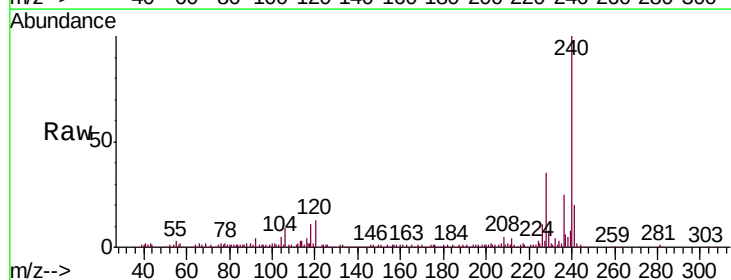
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-E

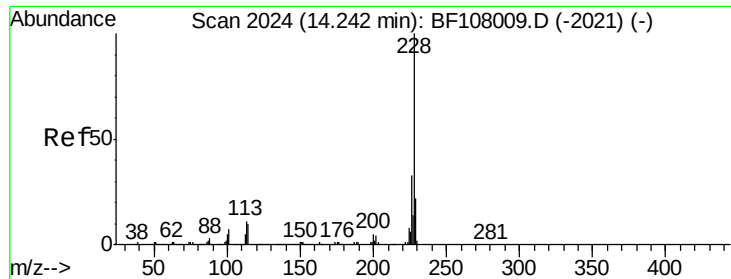
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	10.1	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 2.148 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.02 min
 Lab File: BF108364.D
 Acq: 22 Aug 2018 3:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	33.8
229	22.5	15.8	23.6

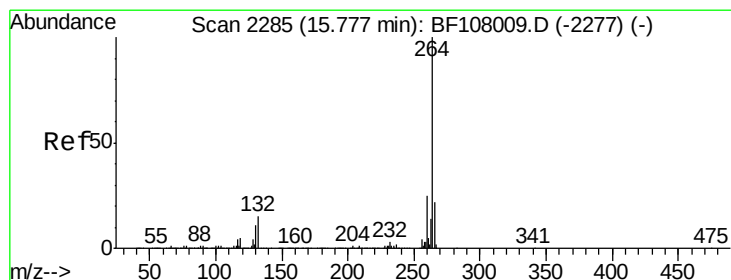
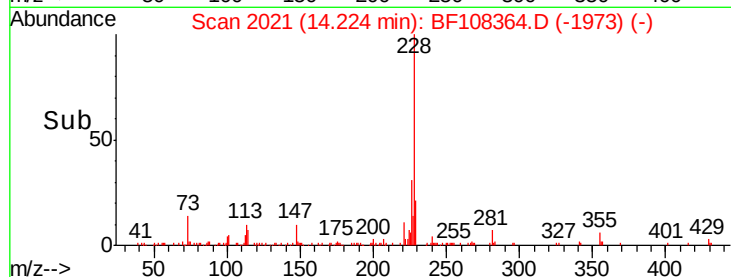
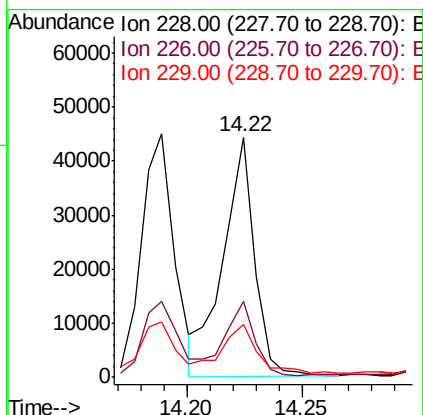
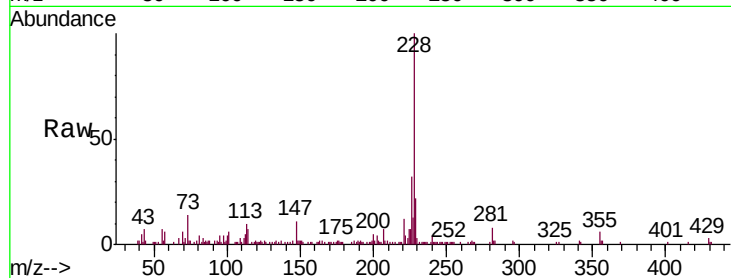




#82
Chrysene
Concen: 2.159 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108364.D
Acq: 22 Aug 2018 3:31

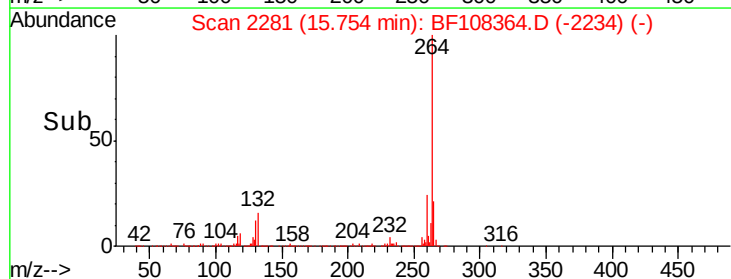
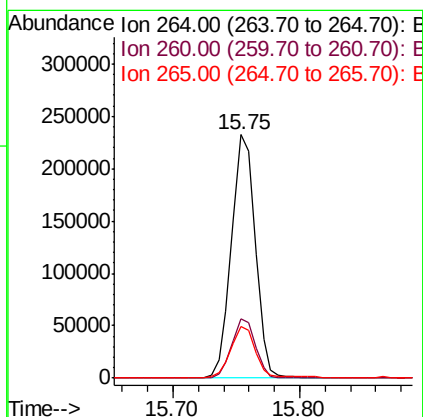
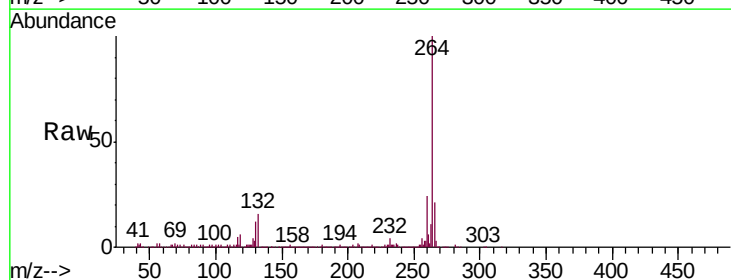
Instrument :
BNA_F
ClientSampleId :
CL-01-082018-E

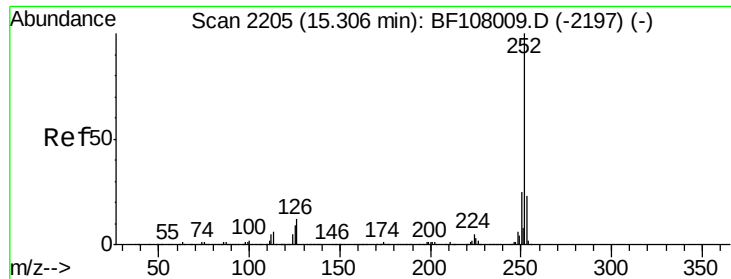
Tgt Ion: 228 Resp: 42317
Ion Ratio Lower Upper
228 100
226 31.7 25.0 37.6
229 22.0 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF108364.D
Acq: 22 Aug 2018 3:31

Tgt Ion: 264 Resp: 303520
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.3 17.5 26.3

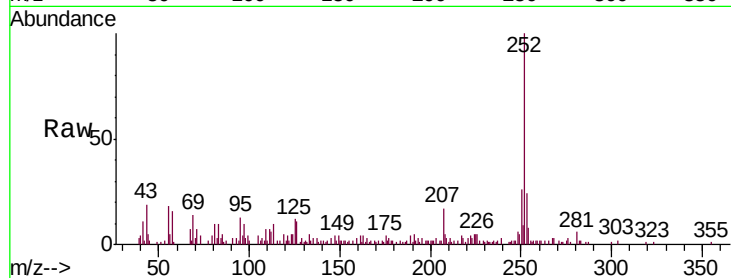




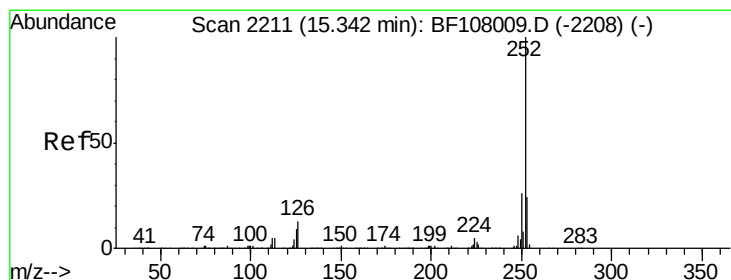
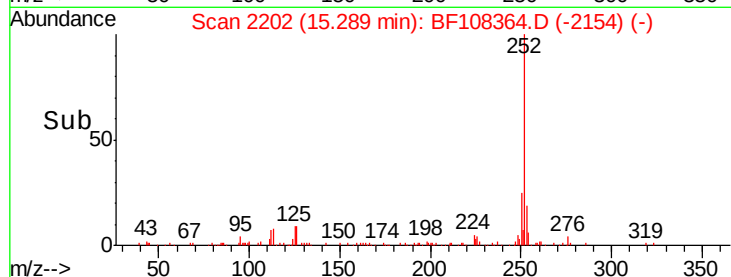
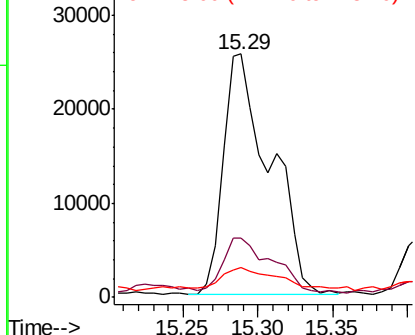
#87
Benzo(b)fluoranthene
Concen: 3.094 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF108364.D
Acq: 22 Aug 2018 3:31

Instrument :
BNA_F
ClientSampleId :
CL-01-082018-E

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	12.0	9.0	13.6

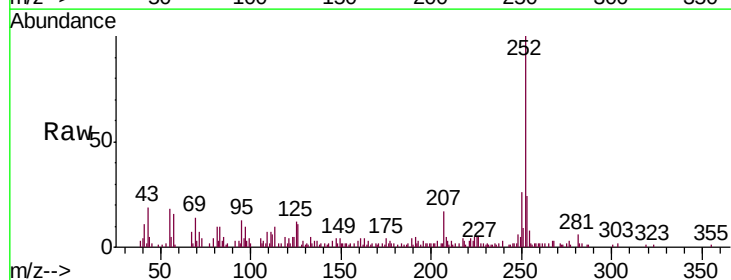


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 3.366 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.05 min
Lab File: BF108364.D
Acq: 22 Aug 2018 3:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	12.0	10.2	15.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

